# NBC-R4AC/10,0-UTP GY/R4AC - Patch cable

1412973

https://www.phoenixcontact.com/us/products/1412973

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Patch cable, Ethernet CAT5 (1 Gbps), 8-position, PVC, gray, Plug straight RJ45 / IP20, on Plug straight RJ45 / IP20, cable length: 10 m

## Your advantages

- Perfect for industrial applications
- Perfect for office, building, and protected industrial applications (e.g., in control cabinets)
- Compact angle

ELEKTROGERÄTE RÜCKNAHME

## Commercial data

| | |
|---|---|
| Item number | 1412973 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB11 |
| Product key | ABNABM |
| GTIN | 4046356977937 |
| Weight per piece (including packing) | 232.2 g |
| Weight per piece (excluding packing) | 223.2 g |
| Customs tariff number | 85444210 |
| Country of origin | CN |

# Technical data

## Product properties

| | |
|---|---|
| Product type | Data cable preassembled |
| Product family | RJ45 BASIC IE8 CAT5 |
| Number of positions | 8 |
| Number of slots | 1 |
| Shielded | no |
| Cable outlet | straight |

## Interfaces

| | |
|---|---|
| Signal type/category | Ethernet CAT5 (IEC 11801:2002), 1 Gbps |

## Signaling

| | |
|---|---|
| Status display | no |
| Status display present | no |

## Electrical properties

| | |
|---|---|
| Rated voltage (III/3) | 72 V (DC) |
| Nominal voltage $U_N$ | 48 V |
| Nominal current $I_N$ | 1 A |
| Transmission medium | Copper |
| Transmission speed | up to 1 Gbps |
| Transmission characteristics (category) | CAT5 (IEC 11801:2002) |

## Material specifications

| | |
|---|---|
| Flammability rating according to UL 94 | V0 |
| Outer sheath, material | PVC |

## Connector

### Connection 1

| | |
|---|---|
| Type | Plug straight RJ45 / IP20 |
| Number of positions | 8 (8) |
| Shielded | yes |
| Handle color | gray |
| Material | CuSn (Contact) |
| | Au (Contact surface) |
| | PVC (Housing) |
| Insertion/withdrawal cycles | ≥ 750 |
| Degree of protection | IP20 |
| Ambient temperature (operation) | -25 °C ... 80 °C |

### Connection 2

| | |
|---|---|
| Type | Plug straight RJ45 / IP20 |

| | |
|---|---|
| Number of positions | 8 (8) |
| Shielded | yes |
| Handle color | gray |
| Material | CuSn (Contact) |
| | Au (Contact surface) |
| | PVC (Housing) |
| Insertion/withdrawal cycles | ≥ 750 |
| Degree of protection | IP20 |
| Ambient temperature (operation) | -25 °C ... 80 °C |

## Cable/line

| | |
|---|---|
| Cable length | 10 m |

Ethernet, CAT5, 4-pair, UTP [UTP]

| | |
|---|---|
| Number of positions | 8 |
| Shielded | no |
| Cable type | Ethernet, CAT5, 4-pair, UTP [UTP] |
| Conductor structure | 4 x 2 x AWG 24/7, UTP |
| AWG signal line | 24 |
| Outer sheath, material | PVC |
| External sheath, color | gray |

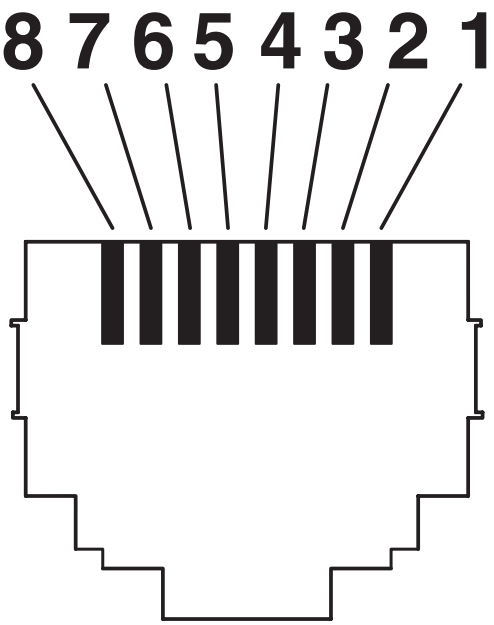
## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP20 (RJ45 connector) |
| | IP20 |
| Ambient temperature (operation) | -25 °C ... 80 °C (RJ45 connector) |

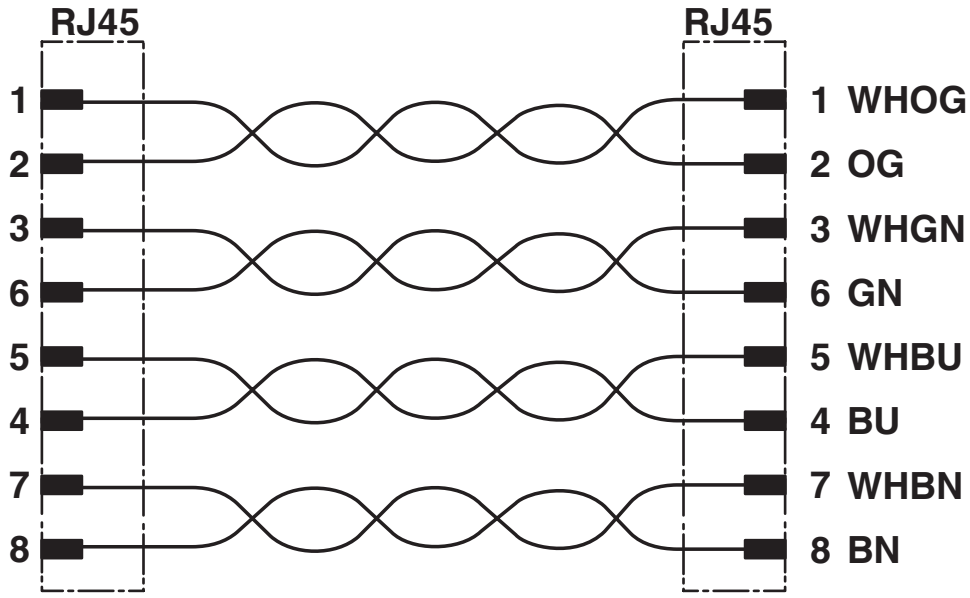
## Drawings

Schematic diagram




Connector pin assignment plug RJ45

Circuit diagram




Contact assignment of RJ45 plugs

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1412973

**EAC**
Approval ID: 19060508

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27060307 |
| ECLASS-15.0 | 27060307 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002599 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 26121600 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.127 kg CO2e |


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